SWBAT

apply newton's second law to problems with friction

Sep 4-7:31 AM

Welcome!!!

SECA CP Physics
Wednesday 16 March 2016

PEDs with Passing

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Room C-244

Centering (animals)

https://www.youtube.com/watch?v=DcoI_aU-CIQ

- Show me SchoolView if you want phone in class...

HOMEWORK: Push version of friction problem

Start working: +1

SOLVING +3

Re-write the block problem as a push
- use all new "given" numbers
- every person's should be different
and/or EdReady turn to BLUE

Pg 49, 69 skills

physicsgrebe2

physicsgrebe1 WORTH +6

physicsgrebe2 WORTH +2

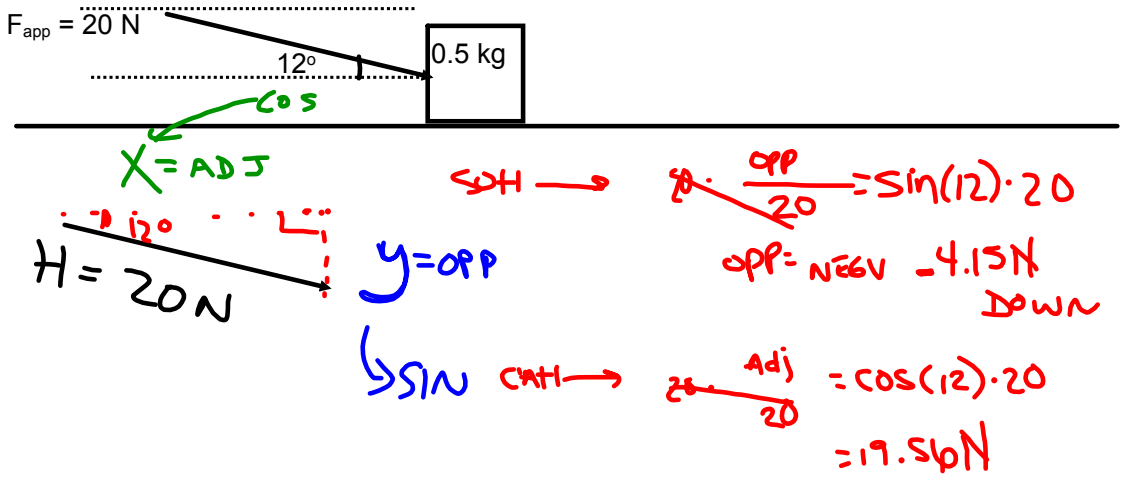
+2

NEED SOHCAHTOA

Sep 7-7:04 AM

Pg 49, 69, physicsgrebe2

If I push on a block like in this diagram, what are the x & y components of that force?



Mar 16-7:56 AM

What we should have solid:

Memorize our ~~5~~ 8 vocab cards, units, vector or not, definition, formula

Be able to answer distance vs displacement questions

Be able to make measurements of real-life motion. Know what is likely to make timing things difficult and how to get more reliable timing results

Be able to convert between miles and meters, between hours, minutes, and seconds

Be able to calculate speed = dist/time and velocity = disp/time

Know what all of the symbols in the UAM equations stand for and mean

Be able to turn a UAM word problem into a list of knowns and unknowns

Be able to pick the equation with those 4 things in it

Be able to put the knowns into that equation

(Be able to solve for the unknown)

→ PROJECTILES: V_x IS CONSTANT; V_y CHANGES $a_y = -9.81 m/s^2$ PG 42

PG 43 TIME, Δt, CONNECTS x & y

PG 49 / 69 VECTORS INTO x & y, ADD VECTORS (SOH-CAH-TOA)

PG 59 DIFFERENCE BETWEEN MASS & WEIGHT

PG 61 NET FORCE

PG 63 FREE BODY DIAGRAMS

$F = m \cdot a$

PG 70 $F_F = \mu \cdot N$

QW every day to review - gather responses to front board.

Dec 4-9:15 AM

InterActive Notebook - Table of Contents

Unit_____ Chapters_____ Date_____

Sep 5-9:09 AM

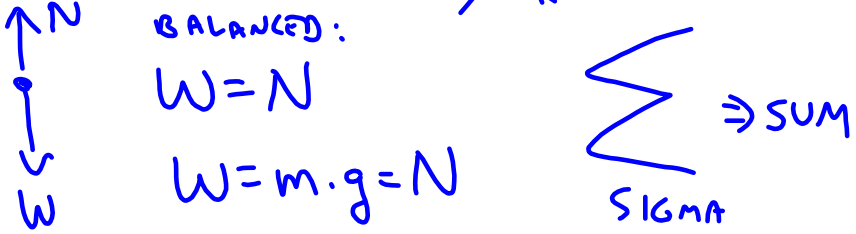
Pg 73?

Youtube: "AP Physics 1: Forces 12: Static & Kinetic Friction"

(from 7:30 to the end)

→ FOUND $F_{FRIC\ STATIC}$ $\mu_s \cdot N$

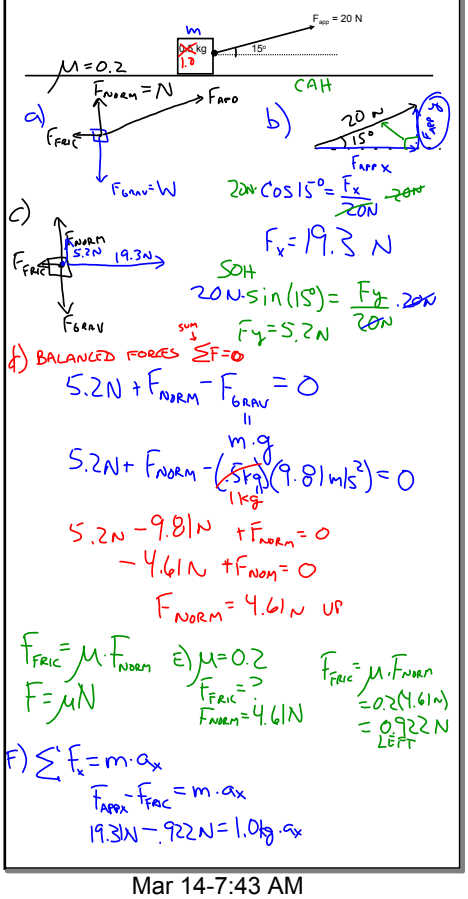
→ FOUND $F_{FRIC\ KINETIC}$ $\mu_k \cdot N$



$F_{NET\ SIDEWAYS} = m \cdot a$

Mar 11-8:27 AM

Putting it all together...



Mar 14-7:43 AM